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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/765.316	01/26/2004	James B. Burr	TRAN-P192	9420
7590 07/13/2006		EXAMINER		
WAGNER, MURABITO & HAO LLP			OWENS, DOUGLAS W	
Third Floor			ART UNIT	PAPER NUMBER
Two North Market Street San Jose, CA 95113			2811	THE ENTOMBER
J			DATE MAILED: 07/13/2000	,

Please find below and/or attached an Office communication concerning this application or proceeding.

			1.17			
	Application No.	Applicant(s)				
	10/765,316	BURR ET AL.				
Office Action Summary	Examiner	Art Unit				
	Douglas W. Owens	2811				
The MAILING DATE of this communication ap Period for Reply	opears on the cover sheet with	h the correspondence addres	s			
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailinearned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNIC. .136(a). In no event, however, may a report will apply and will expire SIX (6) MONTH te, cause the application to become ABA	ATION. bly be timely filed HS from the mailing date of this commur. NDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 27	April 2006.					
2a) This action is FINAL . 2b) ⊠ Th	is action is non-final.					
3) Since this application is in condition for allow			rits is			
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) <u>1-7,15-21 and 35-41</u> is/are pending	in the application.					
4a) Of the above claim(s) is/are withdr	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)⊠ Claim(s) <u>35-41</u> is/are allowed.						
6)⊠ Claim(s) <u>1-7 and 15-21</u> is/are rejected.						
7) Claim(s) is/are objected to.	/or algation requirement					
8) Claim(s) are subject to restriction and	ror election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examir						
10)⊠ The drawing(s) filed on 27 April 2006 is/are:						
Applicant may not request that any objection to th			404(4)			
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the I						
Priority under 35 U.S.C. § 119						
12) ☐ Acknowledgment is made of a claim for foreig a) ☐ All b) ☐ Some * c) ☐ None of:	gn priority under 35 U.S.C. §	119(a)-(d) or (f).				
 Certified copies of the priority docume 						
2. Certified copies of the priority docume	·					
3. Copies of the certified copies of the pr		received in this National Stag	је			
application from the International Bure * See the attached detailed Office action for a lie		received				
See the attached detailed Office action for a lis	st of the certified copies flot i	eceivea.				
Attachment(s)						
1) Notice of References Cited (PTO-892)		ummary (PTO-413)				
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0)/Mail Date formal Patent Application (PTO-152	2)			
Paper No(s)/Mail Date	6) Other:					

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DETAILED ACTION

Allowable Subject Matter

- 1. The indicated allowability of claims 1-7 and 15-21 are withdrawn in view of the newly discovered reference(s) to Hartranft et al. Rejections based on the newly cited reference(s) follow.
- 2. Claims 35 41 are allowed.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1 3, 5 7, 15, 17 and 21 are rejected under 35 U.S.C. 102(b) as being anticipated by US Patent No. 4,605,980 to Hartranft et al.

Regarding claim 1, Hartranft et al. teach an integrated circuit (Fig. 6) comprising: a body bias distribution circuit (89);

a pad (11') coupled to the body bias distribution circuit, said pad for receiving an externally applied voltage;

an internal voltage bus (labeled V_{DD} at top); and

a circuit component (R4) coupled to the internal voltage bus and coupled to the body bias distribution circuit, wherein the internal voltage bus supplies a body bias voltage to said distribution circuit absent a voltage applied to the pad.

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Regarding claim 2, this is considered a suggested use limitation and is not given any patentable weight. (See In re Casey, 370 F.2d 576, 152 USPQ 235 (CCPA 1967);In re Otto, 312 F.2d 937, 938, 136 USPQ 458, 459 (CCPA 1963)).

Regarding claim 3, Hartranft et al. teach an IC, wherein the component is a resistor.

Regarding claim 5, Hartranft et al. teach an IC, wherein the internal voltage bus is coupled to a power supply voltage of the integrated circuit.

Regarding claims 6 and 7, Hartranft et al. teach an IC, further comprising a plurality of MOS transistors (M4, M5) coupled to the body bias distribution circuit via body terminals (transistor gates).

Regarding claim 15, Hartranft et al. teach a semiconductor device comprising a first terminal (transistor gate) for coupling a voltage to a body terminal of a MOS semiconductor, wherein the body terminal is not coupled to a source or a drain of the MOS semiconductor. Examiner notes that many capacitors that can be used in a semiconductor device will also meet this limitation.

Regarding claim 17, Hartranft et al. teach a semiconductor device, wherein the terminal is a pad.

Regarding claim 21, Hartranft et al. teach a semiconductor device comprising a plurality of MOS transistors.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains.

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Patentability shall not be negatived by the manner in which the invention was made.

6. Claims 4 and 16 and 18 – 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hartranft et al.

Regarding claims 4 and 16, Hartranft et al. do not explicitly teach using an external pin coupled to the pad. External pins are known means of connecting external voltages to semiconductor devices. It would have been obvious to one of ordinary skill in the art to use a known means, since it is desirable to use components that are known to be reliable.

Regarding claim 18, Hartranft et al. do not teach that the terminal is a coupling to a metal layer of the semiconductor device. Metal is a known and commonly used material for electrical connections. It would have been obvious to one of ordinary skill in the art to use metal, since it is well suited for the intended use. The selection of a known material based on its suitability for its intended use supported a *prima facie* obviousness determination in *Sinclair & Carroll Co. v. Interchemical Corp.*, 325 U.S. 327, 65 USPQ 297 (1945).

Regarding claims 19 and 20, this is considered a suggested use limitation and is not given any patentable weight. (See In re Casey, 370 F.2d 576, 152 USPQ 235 (CCPA 1967);In re Otto, 312 F.2d 937, 938, 136 USPQ 458, 459 (CCPA 1963)).

Moreover, these device are commonly used in digital devices and microprocessors. It would have been obvious to one of ordinary skill in the art to employ the device in such

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a manner, since it is desirable to use reliable circuitry in digital devices and microprocessors.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas W. Owens whose telephone number is 571-272-1662. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie C. Lee can be reached on 571-272-1732. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Douglas W Owens Primary Examiner Art Unit 2811

Dougla W. Omen

DWO 10 July 2006